

ABSTRACT OF THE DISCLOSURE

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According to a solid-state image pickup device and a driving method thereof in which unit pixels each comprising a photodiode, a selection MOS transistor and a read-out MOS transistor are two-dimensionally disposed in a matrix form, and each vertical signal line is connected to a column amplifier. The vertical signal line is first reset by a reset MOS transistor, and then a pixel signal is read out from the photodiode to the vertical signal line to successively output the reset level and the signal level to a horizontal signal line through the same route (the column amplifier, the horizontal selection MOS transistor, etc.), and then the difference between the reset level and the signal level is calculated by a CDS circuit.